

## PART B - FEE(S) TRANSMITTAL

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

20991 7590 08/15/2007

THE DIRECTV GROUP INC  
PATENT DOCKET ADMINISTRATION RE/R  
P O BOX 956  
EL SEGUNDO, CA 90245-0956



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Janet Shubata (Depositor's name)  
[Signature] (Signature)  
November 15, 2007 (Date)

APPLICATION NO. . .	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/661,725

09/14/2000

Donald C D Chang

PD-200101

9196

TITLE OF INVENTION: STRATOSPHERIC-BASED COMMUNICATION SYSTEM FOR MOBILE USERS USING ADDITIONAL PHASED ARRAY ELEMENTS FOR INTERFERENCE REJECTION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	11/15/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
TORRES, MARCOS L	2617	455-013200

11/16/2007 HGBRCH 00000082 500383 09661725  
01 FC:1501 1440.00 DA

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

The DIRECTV Group, Inc.

E1 Segundo CA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50-0383 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

*Victor G. Cooper*

Date November 15, 2007

Typed or printed name Victor G. Cooper

Registration No. 39,641

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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P.O. Box 1450  
Alexandria, VA 22313-1450

Fax: (571) 273-2885

Pages: Cover + 1 + 1 = 3

Date: November 15, 2007

From: Victor G. Cooper

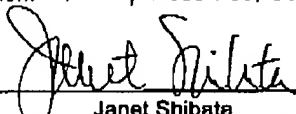
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I hereby certify that the correspondence identified above is being facsimile transmitted to (571) 273-2885 (Office Facsimile Number for ISSUE FEE), on November 15, 2007, addressed to Attention: Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Janet Shibata  
(Printed Name of Depositor)

November 15, 2007  
(Date of Signature)

**Attention: Commissioner for Patents, Mail Stop Issue Fee**

Please find attached Re:

Attorney Docket No. PD-200101

Serial No.: 09/661,725

Filing Date: 09/14/2000

Title: STRATOSPHERIC-BASED COMMUNICATION SYSTEM FOR MOBILE USERS  
USING ADDITIONAL PHASED ARRAY ELEMENTS FOR INTERFERENCE  
REJECTION

➤ PART B – FEE(S) TRANSMITTAL FORM PTOL-85 (1 page in duplicate)

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